DaimlerChrysler AG

Patent Claims

1. A method for shortening the stopping distance of a vehicle (2), in which a braking operation is prepared when a predefined event occurs, characterized in that the braking operation is prepared if a driving situation which is implausible to a driving assistance system occurs.

2. The method as claimed in claim 1, characterized in that a pilot braking pressure is generated in order to prepare the braking operation.

3. The method as claimed in claim 2, characterized in that a speed-dependent pilot braking pressure is generated.

4. The method as claimed in one of the preceding claims, characterized in that the braking operation is prepared if the driver is requested by a driving assistance system to assume the control of the vehicle and/or to brake.

5. The method as claimed in one of the preceding claims, characterized in that the braking operation is prepared if a driving assistance system is deactivated.

6. The method as claimed in one of the preceding claims, characterized in that objects are sensed at least in the area in front of the vehicle.

7. The method as claimed in one of the preceding claims, characterized in that the distance and/or the relative speed and/or the relative acceleration with respect to an object in the area

in front of the vehicle are determined and if the value drops below or exceeds a reference distance, a reference relative speed or a reference acceleration the braking operation is prepared.

8. A computing unit which is configured in terms of programming technology to carry out the method as claimed in one of the preceding claims.